

1    **WHAT IS CLAIMED IS:**

2           1. A battery adapter comprising:

3           a hollow body (10) having a conducting pole (14) provided at a closed  
4    end thereof, and a first coupling part formed at an open end thereof;

5           a bottom cover (20) having a second coupling part formed at an upper  
6    end and engaged with the first coupling part, a seat (21) formed in the bottom  
7    cover (20), a hole (22) defined through the seat (21); and

8           a conducting member (30), with a U-like cross section, provided under  
9    the seat (21) and exposed from a bottom end of the bottom cover (20).

10          2. The battery adapter as claimed in claim 1 further comprising a ring  
11    (40) provided in the conducting member (30), the ring (40) having a resilient leaf  
12    (41) extending therefrom towards the center of the ring (40), and a lug (42)  
13    formed on a free end of the resilient leaf (41).

14          3. The battery adapter as claimed in claim 1 further comprising a  
15    resilient member (60) provided in the conducting member (30).

16          4. The battery adapter as claimed in claim 1 further comprising a  
17    resilient member (61) provided on a lower end of the conducting pole (14).

18          5. The battery adapter as claimed in claim 1, wherein the conducting  
19    member (30) has a plurality of pointed protrusions (31) formed at an outer  
20    periphery thereof and positioned in the seat (21).

21          6. The battery adapter as claimed in claim 2, wherein the conducting  
22    member (30) has a plurality of pointed protrusions (31) formed at an outer  
23    periphery thereof and positioned in the seat (21).

24          7. The battery adapter as claimed in claim 3, wherein the conducting

1 member (30) has a plurality of pointed protrusions (31) formed at an outer  
2 periphery thereof and positioned in the seat (21).

3 8. The battery adapter as claimed in claim 4, wherein the conducting  
4 member (30) has a plurality of pointed protrusions (31) formed at an outer  
5 periphery thereof and positioned in the seat (21).

6 9. The battery adapter as claimed in claim 1, wherein the first coupling  
7 part of the body (10) is an internal thread, and the second coupling part of the  
8 bottom cover (20) is an external thread.

9 10. The battery adapter as claimed in claim 1, wherein the first coupling  
10 part of the body (10) is a plurality of blocks (101), and the second coupling part  
11 of the bottom cover (20) is a plurality of L-like slots (201).

12 11. The battery adapter as claimed in claim 1, wherein an inner wall of  
13 the body (10) has a plurality of ribs (13) formed thereon to define a space (131)  
14 for receiving a battery.